



RECEIVED

JUL 09 2002

-1-

SEQUENCE LISTING

TECH CENTER 1600/2900

~~DK~~
~~DWJ~~
<110> Sette, Alessandro
Sidney, John

<120> HLA Binding Peptides and Their Uses

<130> 2060.0010002

<140> US 08/452,843
<141> 1995-05-30

<150> US 08/344,824
<151> 1994-11-23

<150> US 08/278,634
<151> 1994-07-21

<160> 34

<170> FastSEQ for Windows Version 4.0

<210> 1
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> B35 consensus peptide

<400> 1
Phe Pro Phe Lys Tyr Ala Ala Ala Phe
1 5

<210> 2
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Y1 analog of 1054.05

<400> 2
Tyr Pro Lys Val Lys Gln Trp Pro Leu
1 5

<210> 3
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> MAGE-1

<400> 3
Cys Ile Leu Glu Ser Cys Phe Arg Ala Val Ile
1 5 10

<210> 4

<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> B53 self peptide

<400> 4
Tyr Pro Ala Glu Ile Thr Leu Tyr Trp
1 5

<210> 5
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Cw3 consensus

<400> 5
Phe Ala Met Pro Asn Phe Gln Thr Leu
1 5

<210> 6
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Cw3 consensus

<400> 6
Phe Ala Met Pro Asn Phe Tyr Thr Leu
1 5

<210> 7
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Cw4 consensus

<400> 7
Gln Pro Asp Asp Ala Val Tyr Lys Leu
1 5

<210> 8
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Cw6 consensus

<400> 8
Ile Pro Tyr Pro Ile Val Arg Lys Leu
1 5

<210> 9
<211> 9
<212> PRT

<213> Artificial Sequence

<220>

<223> Cw6 consensus

<400> 9

Ile Pro Tyr Pro Ile Val Arg Ser Leu
1 5

<210> 10

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Cw6 consensus

<400> 10

Ile Pro Phe Pro Ile Val Arg Tyr Leu
1 5

<210> 11

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Histone H3.3

<400> 11

Arg Tyr Arg Pro Gly Thr Val Ala Leu
1 5

<210> 12

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> B7 Nat. Processed

<400> 12

Met Pro Arg Gly Val Val Val Thr Leu
1 5

<210> 13

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> p53, 26-35

<400> 13

Leu Pro Glu Asn Asn Val Leu Ser Pro Leu
1 5 10

<210> 14

<211> 10

<212> PRT

<213> Artificial Sequence

<220>
<223> p53, 84-93

<400> 14
Ala Pro Ala Pro Ala Pro Ser Trp Pro Leu
1 5 10

<210> 15
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> p53, 127-137

<400> 15
Ser Pro Ala Leu Asn Lys Met Phe Cys Gln Leu
1 5 10

<210> 16
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> p53, 154-162

<400> 16
Gly Thr Arg Val Arg Ala Met Ala Ile
1 5

<210> 17
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> p53, 249-257

<400> 17
Arg Pro Ile Leu Thr Ile Ile Thr Leu
1 5

<210> 18
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> p53, 299-308

<400> 18
Leu Pro Pro Gly Ser Thr Lys Arg Ala Leu
1 5 10

<210> 19
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> p53, 315-323

<400> 19
Ser Pro Gln Pro Lys Lys Lys Pro Leu
1 5

<210> 20
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> p53, 321-330

<400> 20
Lys Pro Leu Asp Gly Glu Tyr Phe Thr Leu
1 5 10

<210> 21
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> p53, 361-369

<400> 21
Gly Ser Arg Ala His Ser Ser His Leu
1 5

<210> 22
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> B7-like-supermotifs

<221> VARIANT
<222> (1)...(1)
<223> Xaa=any of the amino acids found in Table 1, as
well as, non-naturally occurring amino acids or
amino acid mimetic

<221> VARIANT
<222> (3)...(8)
<223> Xaa=any of the amino acids found in Table 1, as
well as, non-naturally occurring amino acids or
amino acid mimetics

<400> 22
Xaa Pro Xaa Xaa Xaa Xaa Xaa Xaa Ala Val Ile Leu Met
1 5 10

<210> 23
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> B7-like-supermotifs

<221> VARIANT
<222> (1)...(1)

<223> Xaa=any of the amino acids found in Table 1, as well as, non-naturally occurring amino acids or amino acid mimetic

<221> VARIANT

<222> (3)...(9)

<223> Xaa=any of the amino acids found in Table 1, as well as, non-naturally occurring amino acids or amino acid mimetics

<400> 23

Xaa Pro Xaa Xaa Xaa Xaa Xaa Xaa Ala Val Ile Leu Met
1 5 10

<210> 24

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> B7-like-supermotifs

<221> VARIANT

<222> (1)...(1)

<223> Xaa=any of the amino acids found in Table 1, as well as, non-naturally occurring amino acids or amino acid mimetics

<221> VARIANT

<222> (3)...(8)

<223> Xaa=any of the amino acids found in Table 1, as well as, non-naturally occurring amino acids or amino acid mimetics

<400> 24

Xaa Pro Xaa Xaa Xaa Xaa Xaa Xaa Phe Trp Tyr
1 5 10

<210> 25

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> B7-like-motifs

<221> VARIANT

<222> (1)...(1)

<223> Xaa=any of the amino acids found in Table 1, as well as, non-naturally occurring amino acids or amino acid mimetic

<221> VARIANT

<222> (3)...(9)

<223> Xaa=any of the amino acids found in Table 1, as well as, non-naturally occurring amino acids or amino acid mimetics

<400> 25

Xaa Pro Xaa Xaa Xaa Xaa Xaa Xaa Phe Trp Tyr
1 5 10

<210> 26
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> supermotif

<221> VARIANT
<222> (1)...(1)
<223> Xaa=any of the amino acids found in Table 1, as well as, non-naturally occurring amino acids or amino acid mimetic

<221> VARIANT
<222> (3)...(8)
<223> Xaa=any of the amino acids found in Table 1, as well as, non-naturally occurring amino acids or amino acid mimetics

<400> 26
Xaa Pro Xaa Xaa Xaa Xaa Xaa Ala
1 5

<210> 27
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> supermotif

<221> VARIANT
<222> (1)...(1)
<223> Xaa=any of the amino acids found in Table 1, as well as, non-naturally occurring amino acids or amino acid mimetic

<221> VARIANT
<222> (3)...(8)
<223> Xaa=any of the amino acids found in Table 1, as well as, non-naturally occurring amino acids or amino acid mimetics

<400> 27
Xaa Pro Xaa Xaa Xaa Xaa Xaa Val
1 5

<210> 28
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> supermotif

<221> VARIANT
<222> (1)...(1)
<223> Xaa=any of the amino acids found in Table 1, as well as, non-naturally occurring amino acids or amino acid mimetic

<221> VARIANT
<222> (3)...(8)
<223> Xaa=any of the amino acids found in Table 1, as
well as, non-naturally occurring amino acids or
amino acid mimetics

<400> 28
Xaa Pro Xaa Xaa Xaa Xaa Xaa Xaa Ile
1 5

<210> 29
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> supermotif

<221> VARIANT
<222> (1)...(1)
<223> Xaa=any of the amino acids found in Table 1, as
well as, non-naturally occurring amino acids or
amino acid mimetic

<221> VARIANT
<222> (3)...(8)
<223> Xaa=any of the amino acids found in Table 1, as
well as, non-naturally occurring amino acids, or
amino acid mimetics

<400> 29
Xaa Pro Xaa Xaa Xaa Xaa Xaa Xaa Leu
1 5

<210> 30
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> supermotif

<221> VARIANT
<222> (1)...(1)
<223> Xaa=any of the amino acids found in Table 1, as
well as, non-naturally occurring amino acids or
amino acid mimetics

<221> VARIANT
<222> (3)...(8)
<223> Xaa=any of the amino acids found in Table 1, as
well as, non-naturally occurring amino acids or
amino acid mimetics

<400> 30
Xaa Pro Xaa Xaa Xaa Xaa Xaa Xaa Met
1 5

<210> 31
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> HLA binding peptide

<221> VARIANT
<222> (1)..(1)
<223> Xaa=any of the amino acids found in Table 1, as
well as, non-naturally occurring amino acids or
amino acid mimetics

<221> VARIANT
<222> (3)..(7)
<223> Xaa=any of the amino acids found in Table 1, as
well as, non-naturally occurring amino acids or
amino acid mimetics

<221> VARIANT
<222> (8)..(8)
<223> Xaa=Leu or Ile

<400> 31
Xaa Pro Xaa Xaa Xaa Xaa Xaa Xaa
1 5

<210> 32
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> HLA binding peptide

<221> VARIANT
<222> (1)..(1)
<223> Xaa=any of the amino acids found in Table 1, as
well as, non-naturally occurring amino acids or
amino acid mimetics

<221> VARIANT
<222> (3)..(8)
<223> Xaa=any of the amino acids found in Table 1, as
well as, non-naturally occurring amino acids or
amino acid mimetics

<221> VARIANT
<222> (9)..(9)
<223> Xaa=Leu or Ile

<400> 32
Xaa Pro Xaa Xaa Xaa Xaa Xaa Xaa
1 5

<210> 33
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> HLA binding peptide

<221> VARIANT

<222> (1)..(1)

<223> Xaa=any of the amino acids found in Table 1, as well as, non-naturally occurring amino acids or amino acid mimetics

<221> VARIANT

<222> (3)..(9)

<223> Xaa=any of the amino acids found in Table 1, as well as, non-naturally occurring amino acids or amino acid mimetics

<221> VARIANT

<222> (10)..(10)

<223> Xaa=Leu or Ile

<400> 33

Xaa	Pro	Xaa							
1				5					10

<210> 34

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> HLA binding peptide

<221> VARIANT

<222> (1)..(1)

<223> Xaa=any of the amino acids found in Table 1, as well as, non-naturally occurring amino acids or amino acid mimetics

<221> VARIANT

<222> (3)..(10)

<223> Xaa=any of the amino acids found in Table 1, as well as, non-naturally occurring amino acids or amino acid mimetics

Good
Concl

<221> VARIANT

<222> (11)..(11)

<223> Xaa=Leu or Ile

<400> 34

Xaa	Pro	Xaa							
1				5					10